

Grilon® BM 16 nat

Polyamide
EMS-GRIVORY

Message:

Grilon® BM 16 nat is a Polyamide material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for blown film or cast film. Primary attribute of Grilon® BM 16 nat: High Viscosity.
Typical applications include:
Film
Coating Applications
Food Contact Applications

General Information	
Features	Barrier Resin
	High Viscosity
Uses	Cast Film
	Film
	Oriented Film
	Paper Coatings
Agency Ratings	EU Food Contact, Unspecified Rating
Appearance	Clear/Transparent
	Natural Color
Forms	Granules
Processing Method	Blown Film
	Cast Film

Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	100	--	cm ³ /10min	ISO 1133
Water Absorption				ISO 62
Saturation, 23°C	10	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	--	500	MPa	ISO 527-2
Films	Dry	Conditioned	Unit	Test Method
Water Vapor Transmission Rate (23°C, 85% RH, 50 µm)	16	--	g/m ² /24 hr	DIS 15106-1/-2
Oxygen Permeability				DIS 15105-1/-2
23°C, 50.0 µm ¹	90	--	cm ³ /m ² /bar/24 hr	

23°C, 50.0 μm^2	70	--	$\text{cm}^3/\text{m}^2/\text{bar}/24 \text{ hr}$	
Carbon Dioxide Transmission Rate				DIS 15105-1/-2
23°C, 50.0 μm^3	200	--	$\text{cm}^3/\text{m}^2/\text{bar}/24 \text{ hr}$	
23°C, 50.0 μm^4	300	--	$\text{cm}^3/\text{m}^2/\text{bar}/24 \text{ hr}$	
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁵	164	--	°C	ISO 11357-3
Optical	Dry	Conditioned		Test Method
Gloss (60°, 50.0 μm)	64	--		ISO 2813
NOTE				
1.	0% RH			
2.	85% RH			
3.	0% RH			
4.	85% RH			
5.	10°C/min			

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Recommended distributors for this material

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